## **DO NOW**

Pick up Worksheet Do Now 1.1 Complete this worksheet

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1. Bob has *n* pets. Julius has three more than twice as many pets as Bob. Express the number of pets Julius has in terms of *n*.

let n= Bob's pets 2n+3=Julius pets

2. Sue is three times as old as Allen and Carol is three years younger than Allen. If Allen is *x* years old:

a. Represent the age of Sue

let x=Allen's age 3x=Sue's age

b. Represent the age of Carol

X-3=Carol's age

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4. Betsy has 327 bottles saved for recycling. If she adds a dozen bottles a week, represent the total number of bottles she has after *x* weeks.

let x = # of weeks 327 + 12x = # of bottles

5. A liter of Gatorade cost 50 cents more than a liter of water. Represent the cost of 7 liters of Gatorade and 5 liters of water.

let  $x = \cos t$  of liter of Water  $x+50 = \cos t$  of liter of Giatorade 7(x+50) + 5x

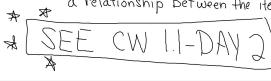
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## 1.1 Translating English into the Language of Algebra

Define: unknowns using a variable
let "x = "

• If more than one item: use the same variable to identify all items

\* Look for a sentence that describes a relationship between the items



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3. The length of a room is three feet less than four times its width. Draw a diagram that includes the expressions for length and width. Hint: Use w for width.

let w = width4w - 3 = length

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## **HOMEWORK**

Worksheet - HW 1.1 Day 2